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SANTA BARBARA • SANTA CRUZ

VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

PKD1 AND IDENTITY MARKER REPORT

CHRISTINA RÖLLIN BRUNNENHOF 35 CH-5625 KALLERN SWITZERLAND	***Case:*** **CAT21963** ***Date Received:*** 29-Dec-2008 ***Report Date:*** 05-Jan-2009 ***Report ID:*** 5228-6970-9292-5015

Cat: **BEAUTIFUL VELVET'S CAITLIN IMARI** *Reg:* **BAV99661**
YOB: **06** *Breed:* **RD** *Sex:* **F** *Microchip:*

Sire: CHRAMING DOLLS BROWNIE BEAR *Reg:* BAV98853
Dam: INKA DU MASQUE BLEU *Reg:* LOZ1015472

PKD1 TEST RESULT

N/N

Result Codes:

N/P = Affected 1 copy of the PKD1 gene, cat has or will develop PKD. Severity of symptoms cannot be predicted*

N/N = Normal Does not possess the disease-causing PKD1 gene.

The disease is inherited as an autosomal dominant trait, which means that a heterozygote (N/P) bred to a normal (N/N) will result in approximately half of the offspring being affected and half being normal. There are no observed homozygous affected (P/P), which suggests that the mutation is embryonic lethal.

The test indicates the presence or absence of the stop mutation in the feline PKD1 gene caused by a cytosine to adenine transversion. This mutation causes feline polycystic kidney disease (PKD), which is characterized by renal, hepatic and pancreatic cysts. This test has only been validated for Persians, Exotics, Himalayans, British Shorthairs and Persian first generation out-crosses.

*If your cat tests positive for PKD1, we recommend that you contact your veterinarian for information on disease progression and management.

IDENTITY MARKERS

LOCUS	TYPE	LOCUS	TYPE
FCA069	OP	*FCA075*	RS
FCA220	KM	*FCA229*	MP
FCA105	TV	*FCA441*	MO